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Total Number of Pages in This Submission

Application Number	10/621,222
Filing Date	July 16, 2003
First Named Inventor	Svein Torteif VAAGE
Art Unit	3662
Examiner Name	Ian J. Lobo
Attorney Docket Number	PGS-02-16US

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form
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Remarks

- Other:
- Declaration of No New Matter
 - Return Postcard

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Petroleum Geo-Services, Inc.		
Signature	<i>E. Eugene Thigpen</i>		
Printed name	E. Eugene Thigpen		
Date	September 21, 2005	Reg. No.	27,400

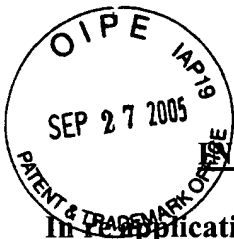
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Typed or printed name	E. Eugene Thigpen	Date	September 21, 2005

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Svein Torleif Vaage, et al.

Application No. 10/621,222

Filing Date: July 16, 2003

**Title: METHOD FOR SEISMIC
EXPLORATION UTILIZING
MOTION SENSOR AND
PRESSURE SENSOR DATA**

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Art Unit: 3662

Examiner: Ian J. Lobo

Attorney. Docket No: PGS-02-16US

Mail Stop Amendment

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E. Eugene Thigpen
E. Eugene Thigpen

Date: September 21, 2005

RESPONSE TO OFFICE ACTION

(A) INTRODUCTORY COMMENTS

This letter is in response to the first Office Action, mailed June 22, 2005. A response is due on or before September 22, 2005.

Amendments to the specification are presented below in section (B) Amendments to the Specification and discussed below in Section (D) Remarks.

An Affidavit or Declaration stating that the amended material does not add new matter is included with this response, as per 37 CFR 1.67(b).

Claims 1-40 are pending in the present patent application and all claims are rejected in the Office Action under 35 U.S.C. §103(a). A complete set of claims, including amended claims, are presented below in Section (C) Amendments to the Claims. These amendments and traversal of the claim rejections are discussed below in Section (D) Remarks.

The sections of this response begin on the following pages:

page 1 (A) Introductory Comments
page 3 (B) Amendments to the Specification
page 4 (C) Amendments to the Claims
page 11 (D) Remarks